

II. CLAIMS

1 1. A stent for implantation within a body vessel
2 comprising:
3 a cylindrical stent body formed of generally
4 continuous wire, the stent body having a first diameter
5 and a first length along the longitudinal axis; and
6 means for preventing longitudinal stretch of the
7 body.

1 2. The stent of claim 1 wherein body is a coil of
2 successive windings and the means for preventing
3 longitudinal stretch includes a wire positioned along the
4 cylindrical stent body and attached to successive windings
5 of the wire at its crossing points.

1 3. The stent of claim 1 wherein:
2 the body is constructed of a helical coil of
3 wire and further comprising:
4 zig-zag means in the wire generally in the form
5 of a sinusoidal wave wherein selected individual waves are
6 hooked over waves of an adjacent winding of the helical
7 coil.

1 4. A stent for implantation within a body vessel
2 comprising:
3 a cylindrical stent body formed of a continuous
4 wire formed in a generally helical coil made of successive
5 windings, the cylindrical body having a longitudinal axis;
6 and
7 means for connecting adjacent windings of a
8 cylindrical body for preventing stretching of the helical
9 coil along the longitudinal axis.

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